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Beiersdorf 730-WCG

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS : Dr. Klaus KEITE-TELGENBÜSCHER, ET AL.
SERIAL NO. : TO BE ASSIGNED
FILED : HERewith
FOR : METHOD OF AT LEAST PARTLY COATING BACKING
MATERIALS
ART UNIT : TO BE ASSIGNED
EXAMINER : TO BE ASSIGNED

Hon. Commissioner of Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

SIR:

Prior to examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please amend claims 3 - 12 as follows:

3. The method as claimed in claim 1, wherein the die body is temperature-controlled using a heat transfer fluid or cooling fluid, electrical heaters, Peltier elements, radiation or convection.

4. The method as claimed in claim 1, wherein the coating fluid is itself used for temperature control of at least one of the zones.
5. The method as claimed in claim 1, wherein the die in its mounts may be moved and/or swiveled.
6. The method as claimed in claim 1, wherein the bending occurs substantially perpendicularly to the backing material or substantially in or against the direction of travel of the backing material.
7. The method as claimed in claim 1, wherein the backing material is guided along an apparatus which produces counterpressure, in particular a roll.
8. The method as claimed in claim 1, wherein the substance is applied by means of the die through a perforated cylinder onto the backing material.
9. The method as claimed in claim 1, wherein the bending of the die is controlled as a function of the amount of the substance that is applied, determined on the traveling web.
10. The method as claimed in claim 1, wherein the substance at the processing shear has a dynamic zero temperature viscosity of from 0.1 Pa.s to 1 000 Pa.s, preferably from 1 Pa.s to 500 Pa.s.
11. The method as claimed in claim 1, wherein the substance is a solution, dispersion, prepolymer or thermoplastic polymer, preferably a hot-melt adhesive, with particular preference a hot-melt pressure-sensitive adhesive.
12. The method as claimed in claim 1, wherein the backing material is a roll or belt having an abhesive surface, the abhesive surface comprising in particular a coating

of silicone or fluorine compounds or plasma-coated release systems, applied very particularly at a weight per unit area of from 0.001 g/m² to 3 000 g/m².

Please add new claim 13.

13. The method as claimed in claim 12, wherein the backing material is a roll or belt having an adhesive surface, the adhesive surface comprising in particular a coating of silicone or fluorine compounds or plasma-coated release systems, applied very particularly at a weight per unit area of from 100 to 2 000 g/m².


REMARKS

The amendments above eliminate multiple dependencies, and place the claims in better form for U.S. examination.

Early and favorable action is earnestly solicited.

Respectfully submitted,

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By 

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**MARK-UP SHOWING THE CHANGES MADE IN THE PREVIOUS CLAIM TO YIELD
THE CLAIM AS AMENDED ABOVE**

3. The method as claimed in [either of claims 1 and 2] **claim 1**, wherein the die body is temperature-controlled using a heat transfer fluid or cooling fluid, electrical heaters, Peltier elements, radiation or convection.
4. The method as claimed in [any of claims 1 to 3] **claim 1**, wherein the coating fluid is itself used for temperature control of at least one of the zones.
5. The method as claimed in [any of claims 1 to 4] **claim 1**, wherein the die in its mounts may be moved and/or swiveled.
6. The method as claimed in [any of claims 1 to 5] **claim 1**, wherein the bending occurs substantially perpendicularly to the backing material or substantially in or against the direction of travel of the backing material.
7. The method as claimed in [any of claims 1 to 6] **claim 1**, wherein the backing material is guided along an apparatus which produces counterpressure, in particular a roll.
8. The method as claimed in [one or more of the preceding claims] **claim 1**, wherein the substance is applied by means of the die through a perforated cylinder onto the backing material.
9. The method as claimed in [one or more of the preceding claims] **claim 1**, wherein the bending of the die is controlled as a function of the amount of the substance that is

applied, determined on the traveling web.

10. The method as claimed in [one or more of the preceding claims] **claim 1**, wherein the substance at the processing shear has a dynamic zero temperature viscosity of from 0.1 Pa.s to 1 000 Pa.s, preferably from 1 Pa.s to 500 Pa.s.
11. The method as claimed in [one or more of the preceding claims] **claim 1**, wherein the substance is a solution, dispersion, prepolymer or thermoplastic polymer, preferably a hot-melt adhesive, with particular preference a hot-melt pressure-sensitive adhesive.
12. The method as claimed in [one or more of the preceding claims] **claim 1**, wherein the backing material is a roll or belt having an abhesive surface, the abhesive surface comprising in particular a coating of silicone or fluorine compounds or plasma-coated release systems, applied very particularly at a weight per unit area of from 0.001 g/m² to 3 000 g/m²[, preferably from 100 to 2 000 g/m²].